



**Armed Forces Academy  
of General Milan Rastislav Štefánik  
Demanova 393, 031 06 Liptovský Mikuláš**

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**ERASMUS offer for incoming students**

<b>Department</b>	Mechanical Engineering
<b>Subject/ title</b>	Combat Vehicles
<b>Credits</b>	4 ECTS
<b>Hours</b>	30
<b>Level (Bachelor/master)</b>	Bachelor/Master
<b>Tutor(s)</b>	prof. Dipl. Eng. Peter DROPPA, Ph.D.
<b>Exam type</b>	Written exam (test) + presentation.
<b>Description</b>	The aim of this subject is to provide students with the common understanding of the principles, theory and construction combat vehicles. As well as to make them able to get a basic overview on development trends of combat vehicles.
<b>Teaching Content</b>	The forces and torques acting of combat vehicles. General arrangement of combat vehicles. Protection of combat vehicles. Transmission mechanisms of combat vehicles. Chassis mechanism of combat vehicles. Development trends of combat vehicles.
<b>Reading materials</b>	<b>DROPPA, P.</b> - ŠTIAVNICKÝ, M.: Modeling of kinematic and strength relations in mobile technics: scientific monograph - 1. vyd. - Liptovský Mikuláš: <a href="#">Armed Forces Academy of General Milan Rastislav Štefánik, 2012.</a> - 126 s. - ISBN 978-80-8040-455-0. <b>DROPPA, P:</b> Analysis of systems track vehicles chassis springing, Liptovský Mikuláš, AOS 2006, 85strán. [Monograph]. ISBN 80-8040-279-5. BOTTEGA, W. J.: Engineering vibration, Taylor & Francis Group, Boca Raton, USA. 2006. ISBN 0-8493-3420-9.
<b>Remarks</b>	Only for student with mechanical background.